

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

1. (Currently Amended) Insulation of the electrical connections of at least two flat flex cables (FFCs), ~~which comprise the electrical connections including~~ at least electrical strip conductors and insulating material ~~at a so-called matrix~~^{[[,]]} wherein the insulating material is removed locally and the exposed strip conductors of different FFCs are joined with one another in an electrically conducting manner^{[[, of a so-called matrix]]}, characterized in that the matrix is insulated with an added insulating sealing material which surrounds the exposed strip conductors and insulating material of the FFCs at the matrix and consists substantially of the same material as the insulating material of the FFCs, so that the added sealing material ~~of surrounding~~ the matrix has chemical, mechanical, and thermal characteristics substantially matching the same characteristics of the insulating material of the FFCs.

2. (Currently Amended) Insulation of a matrix according to Claim 1, characterized in that the thickness of the added insulating sealing material in the area of the matrix is between one-fifth and threefold the thickness of the insulating material of the FFC.

3. (Withdrawn) Method for the production of an insulation according to Claim 1, characterized in that the sealing material is placed in a molten form, as a liquid or thick liquid, within a mold (5,6) around the matrix (1) and by the subsequent action of

temperature and pressure in the mold, is joined and hardened with the insulating material of the FFCs.

4. (Withdrawn) Method for the production of an insulation according to Claim 1, characterized in that the sealing material is placed in the form of a film in one part, preferably, however, in two parts around the matrix (1) and is welded, over the surface, with itself or one with another and with the insulating material of the FFCs in the area of the matrix by the effect of temperature and pressure in a mold (15,16).

5. (Withdrawn) Mold to carry out the method according to Claim 2, characterized in that the insulating material has two stamp surfaces, whose form is adapted to the insulating matrix.

6. (Withdrawn) Sealing material for use in the method according to Claim 3, characterized in that it must be selected from the group consisting of the following: polyamide (PA), polyvinyl chloride (PVC), thermoplastic polyurethane (TPU), polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), polycarbonate (PC), ethylene and tetrafluoroethylene (ETFE), polyethylene terephthalate (PET).

7. (Withdrawn) Sealing material for use in the method according to Claim 4, characterized in that it is selected from the group consisting of the following: heat-crosslinking films based on thermoplastic polyurethane (TPU), polyethylene terephthalate (PET), polyethylene naphthalate (PEN), polyimide (PI), polyethylene (PE),

polypropylene OPP), polyvinyl chloride (PVC), polycarbonate (PC), polytetrafluoroethylene (PTFE), ethylene and tetrafluoroethylene (ETFE), with simple or sandwich structure (double layer or multilayer composite), with or without an adhesive layer or a cement agent layer.

8. (Currently Amended) Apparatus as in Claim 1, wherein the at least two FFCs lie in planes that are parallel to each other in the area of the matrix.

9. (Cancelled)

10. (Currently Amended) Apparatus as in Claim 2, wherein the thickness of the added insulating sealing material in the area of the matrix is between half and twice the thickness of the insulating material of the FFC.

11. (Currently Amended) Apparatus as in Claim 1, wherein the exposed strip conductors of the different FFCs in the area of the matrix are joined with one another intermediate the ends of the different FFCs.

12. (Currently Amended) Apparatus as in Claim 11, wherein the different FFCs lie in planes that are parallel to each other in the area of the matrix.